

05-15-2006



103237491

Date: May 9, 2006
Attorney Docket No. 5649-1896

To: Commissioner for Patents:

Please record the attached original documents or copy u.c.

5-9-06

1. Name of conveying party(ies):

- [1.] Jin-ho Hwang
- [2.] Joo-cheol Han

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):

Samsung Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu
Suwon-si, Gyeonggi-do
Republic of Korea



3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other

Execution Date: [1.] April 11, 2006 [2.] April 12, 2006

Additional name(s) & address(es) attached? Yes No

4. Application Serial No. _____ Patent No. _____

If this document is being filed together with a new application, the execution date of the application is: [1.] April 11, 2006 [2.] April 12, 2006

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

David D. Beatty
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 27627

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 50-0220

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David D. Beatty #38,071

Name of Person Signing

Signature

May 9, 2006

Date

Total number of pages including cover sheet, attachments and document: 4

CERTIFICATE OF EXPRESS MAILING

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I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Katie Wu
Katie Wu

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jin-ho Hwang**, a citizen of the Republic of Korea, residing at 212-304, Shin LG 2-cha Village Apt., Shinbong-dong, Yoongin-si, Gyeonggi-do, Republic of Korea; and **Joo-cheol Han**, a citizen of the Republic of Korea, residing at 608-1501, Hansol Maecul Jugong 6-danji Apt., Jeongja-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That, WHEREAS, we are the joint inventors of certain new and useful improvements in METHODS AND CONTROL SYSTEMS FOR CONTROLLING SEMICONDUCTOR DEVICE MANUFACTURING PROCESSES, for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as

ASSIGNMENT – CONTINUED

fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 11th day of April, 2006.



Jin-ho Hwang

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12th day
of April, 2006.



Joo-cheol Han

Witnessed by:

Date: _____